FORM PTC		EPARTMENT OF		Application Number	10/042,847
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INF	FORMATION	N DISCLO	First Named Inventor	Priyank Warkhede	
ST	ATEMENT E	BY APPLIC	Group Art Unit	2122	
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	U.S. PATENT DOCUMENTS					
EXAMINER'S INITIALS	Cite No.	Document Number	ISSUE or PUBL. DATE (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document		
PB	AA ,	US - 5528701	06-18-1996	Aref		
PB	AB	US - 5651099	07-22-1997	Konsella		
PB	AC:	US - 5721889	02-24-1998	Namba		
PB	AD	US - 5781772	07-14-1998	Wilkinson, III et al.		
ββ	AE	US - 5809501	09-15-1998	Noven		
Pβ	AF	US - 5829004	10-27-1998	Au		
PB	AG	US - 5848416	12-08-1998	Tikkanen		
fβ	AH	US - 5884297	03-16-1999	Noven		
PB	AI .	US - 6018524	01-25-2000	Turner et al.		
B	AJ	US - 6067574	05-23-2000	Tzeng		
PB	AK	US - 6115716	09-05-2000	Tikkanen et al.		
PB	AL	US - 6237061	05-22-2001	Srinivasan et al.		
PB	AM	US - 6289414	09-11-2001	Feldmeier et al.		
PB	AN	US - 6298339	10-02-2001	Bjornson		
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FORM PTO-14		PARTMENT OF	Application Number	10/042,847	
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STA	TEMENT B	Y APPLIC	Group Art Unit	2122	
•				Examiner Name	TBD
Sheet	2	of	4	Attorney Docket No.	28845

EXAMINER'S INITIALS	Cite No.	OTHER DOCUMENTS
PP	BA	DONALD R. MORRISON, "PATRICIA - Practical Algorithm to Retrieve Information Coded in Alphanumeric," Journal of the ACM, Vol. 15, No. 4, October 1968, pp. 514-534.
PB	BB	WALDVOGEL ET AL., "Scalable High Speed IP Routing Lookups," Proc. SIGCOMM '97, ACM, 1997, pp. 25-36.
PB	ВС	LAMPSON ET AL., "IP Lookups Using Multiway and Multicolumn Search," Proc. Infocom 98, March 1998, 24 pages.
PB	BD	V. SRINIVASAN and GEORGE VARGHESE, "Faster IP Lookups using Controlled Prefix Expansion," ACM SIGMETRICS Performance Evaluation Review, Vol. 26 No.1, June 1998, p.1-10.
PB	BE	STEFAN NILSSON and GUNNAR KARLSSON, "Fast Address Look-up for Internet Routers," Proceedings of IEEE Broadband Communications, April 1998, 12 pages.
PB	BF	WILLIAM N. EATHERTON, HARDWARE-BASED INTERNET PROTOCOL PREFIX LOOKUPS, Master's thesis, Sever Institute, Washington University, St. Louis, MO, May 1999, 109 pages.
(B	BG	LAMPSON ET AL., "IP Lookups Using Multiway and Multicolumn Search," IEEE Transactions on Networking, Vol. 7, No. 3, June 1999, pp. 324-334.
P.B	ВН	LOCKWOOD ET AL., "Field Programmable Port Extender (FPX) for Distributed Routing and Queuing," Proceedings of the ACM/SIGDA international symposium on Field programmable gate arrays, February 2000, pp. 137-144.
RB	BI	RUIZ-SANCHEZ ET AL., "Survey and Taxonomy of IP Address Lookup Algorithms," IEEE Network Magazine, Vol. 15, No. 2, March/April 2001, pp. 8-23.
PB	BJ	PANKAJ GUPTA and NICK MCKEWON, "Algorithms for Packet Classification," IEEE Network Magazine, Vol. 15, No. 2, March/April 2001, pp. 24-32.
PB	BK	IYER ET AL., "ClassiPI: An Architecture for Fast and Flexible Packet Classification," IEEE Network Magazine, Vol. 15, No. 2, March/April 2001, pp. 33-41.
PB	BL	WALDVOGEL ET AL., "Scalable High Speed Prefix Matching," ACM Transactions on Computer Systems, Vol. 19, No. 4, November 2001, pp. 440-482.

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FORM PTO-1449 .U.S. DEPARTMENT OF COMMERCE MODIFIED PATENT AND TRADEMARK OFFICE				Application Number	10/042,847
MODIFIED	PAIE	NI AND IRADE	Filing Date	January 8, 2002	
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STA	TEMENT B	Y APPLI	Group Art Unit	2122	
				Examiner Name	TBD
Sheet	3	of	4	Attorney Docket No.	28845

	U.S. PATENT DOCUMENTS					
EXAMINER'S INITIALS	Cite No.	Document Number	ISSUE or PUBL. DATE (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document		
PB	CA	US - 5088032	02-11-1992	Bosack		
PB	СВ	US - 5319763	06-07-1994	Ho et al.		
PB	CC	US - 5481540	01-02-1996	Huang		
PB	CD	US - 5515370	05-07-1996	Rau		
PB.	CE :	US - 5740171	04-14-1998	Mazzola et al.		
PB	CF	US - 5842040	11-24-1998	Hughes et al.		
PB	CG	US - 5898689	04-27-1999	Kurnar et al.		
(B	СН	US - 5920886	07-06-1999	Feldmeier		
13	CI	US - 5930359	07-27-1999	Kempke et al.		
B	CJ ·	US - 5956336	09-21-1999	Loschke et al.		
PB	CK	US - 6000008	12-07-1999	Simcoe		
PB	CL ·	US - 6061368	05-09-2000	Hitzelberger		
PB	CM ·	US - 6091725	07-18-2000	Cheriton et al.		
PB	CN	US - 6097724	08-01-2000	Kartalopoulos		
PB	со	US - 6141738	10-31-2000	Munter et al.		
PB	СР	US - 6148364	11-14-2000	Srinivasan et al.		
PB	CQ	US - 6181698	01-30-2001	Hariguchi		
PB	CR :	US - 6236658	05-22-2001	Essbaum et al.		
13	CS	US - 6237061	05-22-2001	Srinivasan et al.		
PB	CT	US - 6243667	06-05-2001	Kerr et al.		
(B	CU	US - 6295576	09-25-2001	Ogura et al.		
PB	CV	US - 6307855	10-23-2001	Hariguchi		



FORM PTO		EPARTMENT O	Application Number	10/042,847	
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				Examiner Name	TBD
Sheet	4	of	4	Attorney Docket No.	28845

EXAMINER'S INITIALS	Cite No.	OTHER DOCUMENTS
PB	DA	JON P. WADE and CHARLES G. SODINI, "A Ternary Content Addressable Search Engine," IEEE Journal of Solid-State Circuits, Vol. 24, No. 4, August 1989, pp. 1003-1013.
PB	DB	TEUVO KOHONEN, CONTENT-ADDRESSABLE MEMORIES, 1987, pp. 128-129 and 142-144, Springer-Verlang, New York.
PB	DC	BRIAN DIPERT, ed., "Special-purpose SRAMs Smooth the Ride," EDN, June 24, 1999, pp. 93-104.
PB	DD	"Extending the LANCAM Comparand," Application Brief AB-N3, Rev. 1.0a Draft, Music Semiconductors, Milpitas, CA, September 30, 1998, 4 pages.
PB	DE	"Advantages of CAM in ASIC-Based Network Address Processing," Application Brief AB-N11, Rev. 1.2a Draft, Music Semiconductors, Milpitas, CA, September 30, 1998, 4 pages.
PB	DF	"Virtual Memory Applications of the MU9C1480A LANCAM," Application Note AN-N3, Rev. 1a, Music Semiconductors, Milpitas, CA, September 30, 1998, 12 pages.
fs	DG	"Using the MU9C1965A LANCAM MP for Data Wider than 128 Bits," Application Note AN-N19, Rev. 1a, Music Semiconductors, Milpitas, CA, September 30, 1998, 16 pages.
RB	DH	"Fast IPv4 and IPv4 CIDR Address Translation and Filtering Using the MUAC Routing CoProcessor (RCP)," Application Note AN-N25, Rev. 0a, Music Semiconductors, Milpitas, CA, October 1, 1998, 16 pages.
PB	DI	"Using MUSIC Devices and RCPs for IP Flow Recognition," Application Note AN-N27, Rev. 0, Music Semiconductors, Milpitas, CA, October 21, 1998, 20 pages.
PB	DJ	"Wide Ternary Searches Using Music CAMs and RCPs," Application Note AN-N31, Rev. 0, Music Semiconductors, Milpitas, CA, April 13, 1999, 8 pages.
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